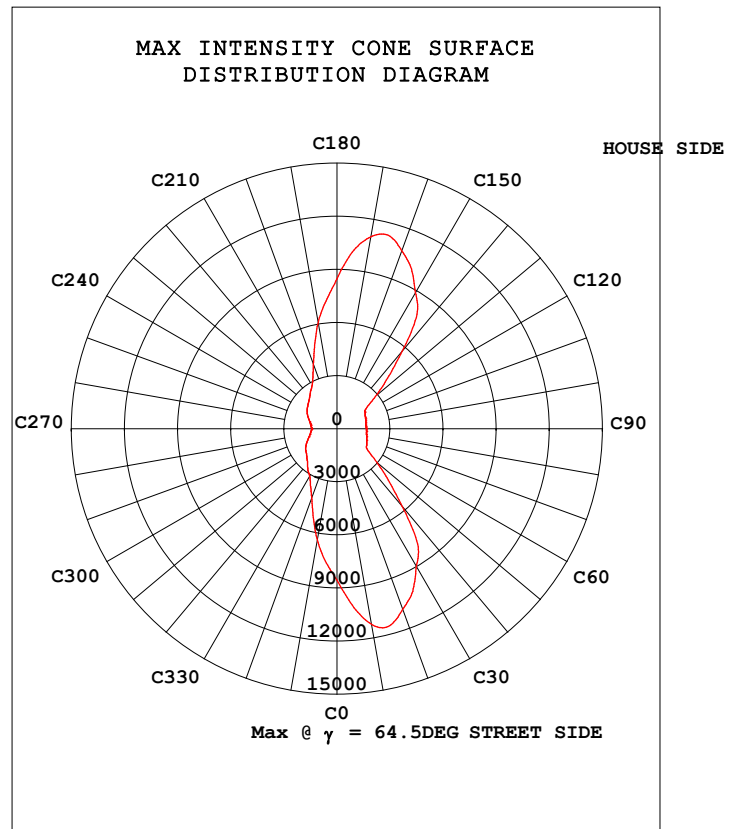
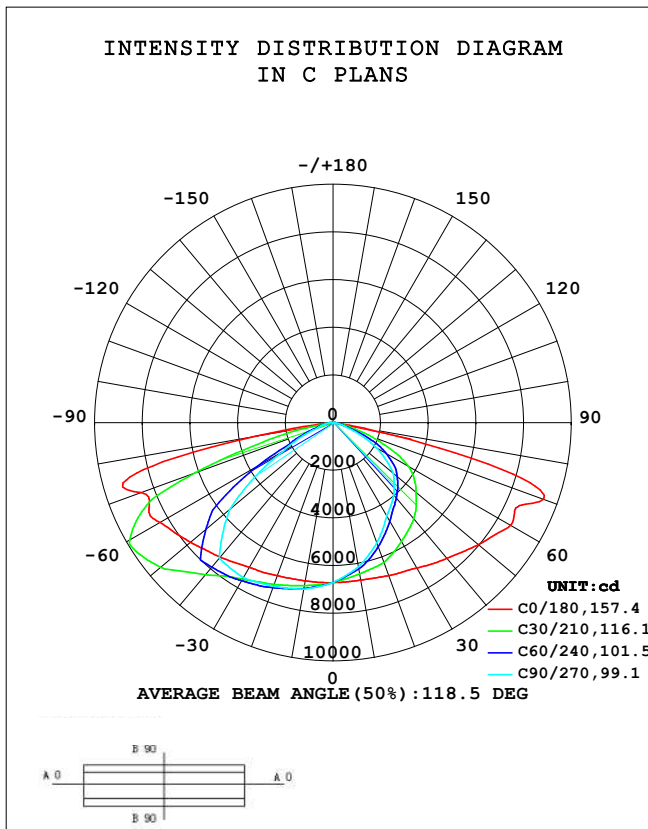


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.50 lm/W			
MODEL	LED	Imax (cd)	11523	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	$\eta$ street_down (%)	51.3
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	26254	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	26253.9	MAXIMUM @ (C, $\gamma$ )	15,64.5	$\eta$ house_down (%)	48.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	23.006



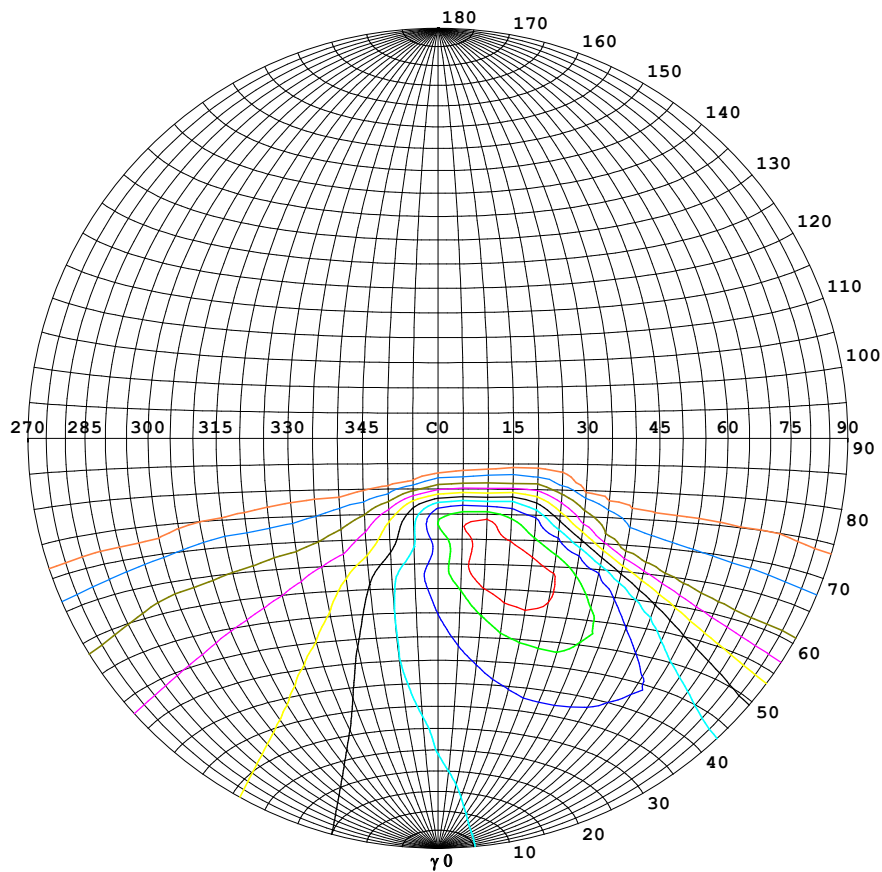
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



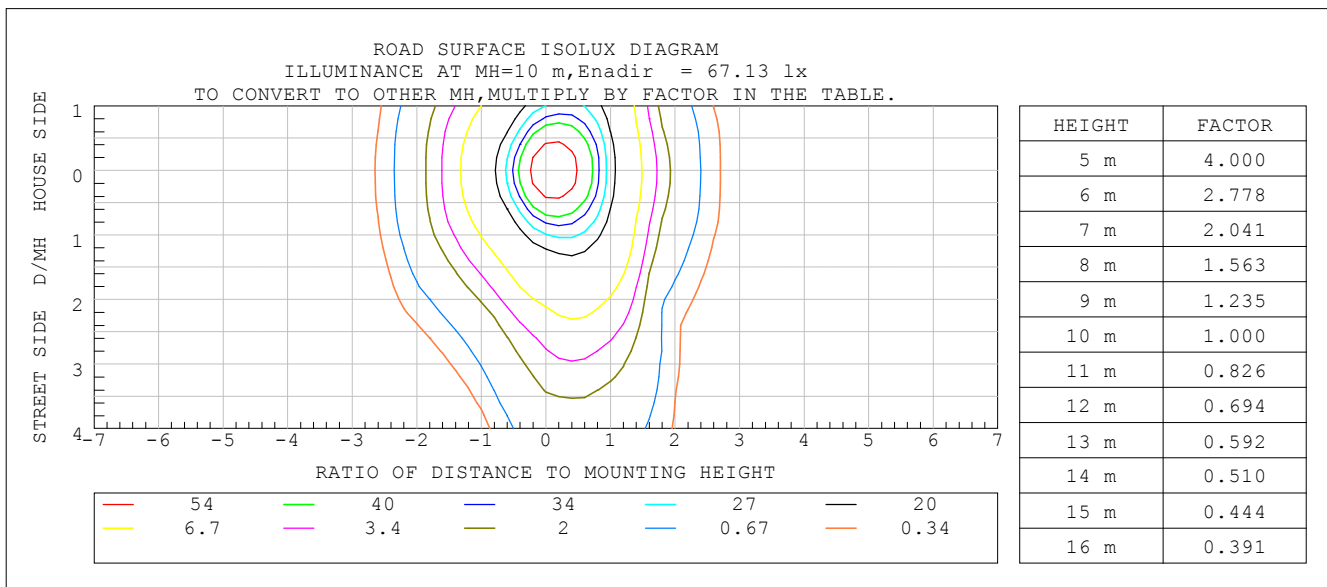
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:140.7cd/klm  
Max.At90:3.910cd/klm  
Max.80-90:140.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11523
90%	10371
80%	9219
70%	8066
60%	6914
50%	5762
40%	4609
30%	3457
20%	2305
10%	1152
5%	576

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

gamma Range: 0 - 90DEG  
gamma Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

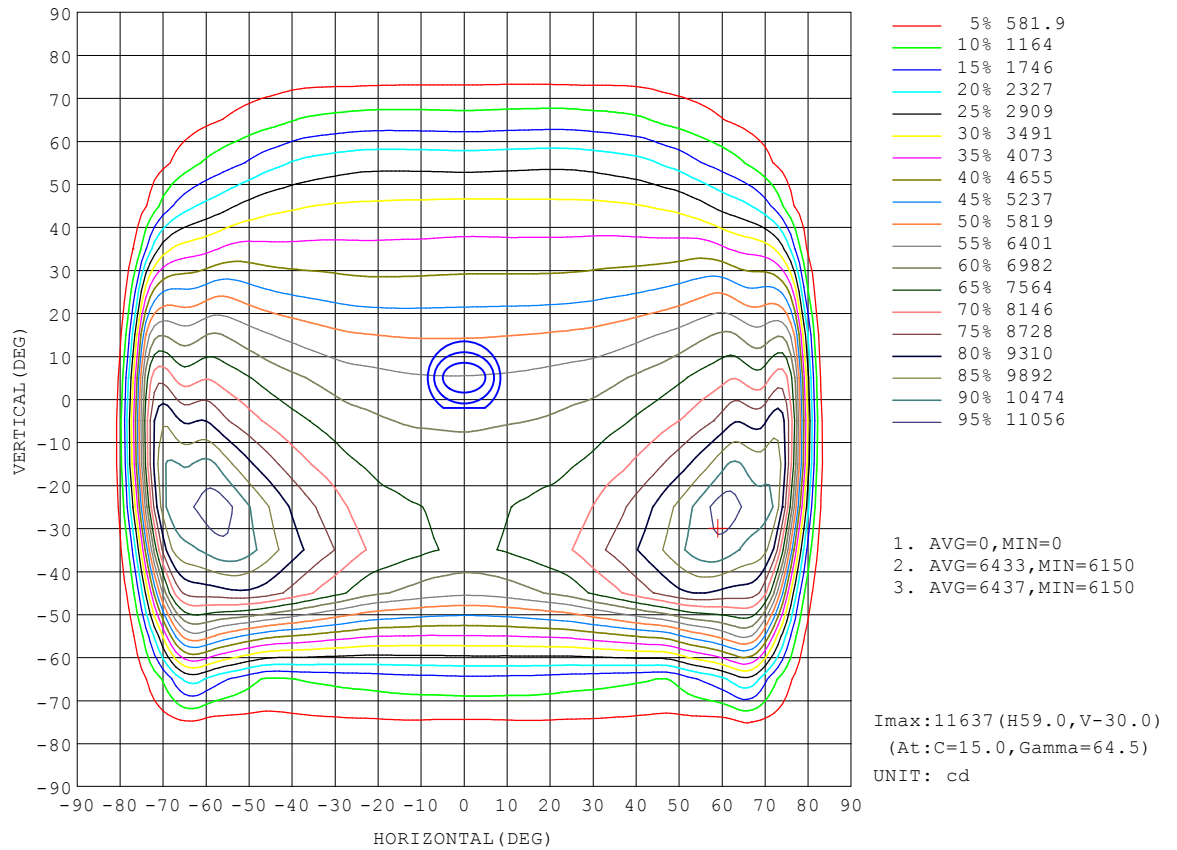
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	672.9	686.1	690.5	685.0	670.6	651.2	643.2	652.5	0- 5	160.1	160.1	0.61,0.61
10	674.1	702.0	709.7	700.2	671.0	632.4	615.1	634.6	5- 10	477.8	637.9	2.43,2.43
15	677.5	718.2	719.9	715.4	675.0	613.2	576.4	616.2	10- 15	789.4	1427	5.44,5.44
20	684.0	731.9	730.1	731.0	683.2	582.4	537.6	587.0	15- 20	1090	2517	9.59,9.59
25	693.3	748.4	740.9	748.1	691.5	547.9	494.4	554.1	20- 25	1377	3894	14.8,14.8
30	701.2	764.0	751.7	769.2	704.5	513.7	451.2	520.5	25- 30	1648	5543	21.1,21.1
35	717.5	787.2	747.5	800.1	724.2	480.3	424.2	486.7	30- 35	1908	7451	28.4,28.4
40	736.4	818.9	743.3	840.5	742.9	446.6	397.2	452.6	35- 40	2162	9613	36.6,36.6
45	756.0	851.6	654.3	871.9	767.4	419.5	364.1	425.5	40- 45	2390	12003	45.7,45.7
50	781.2	875.8	565.3	891.2	796.8	386.7	330.9	393.9	45- 50	2552	14555	55.4,55.4
55	808.0	798.7	404.9	812.0	824.5	346.1	270.0	354.7	50- 55	2627	17182	65.4,65.4
60	838.4	691.8	244.5	698.4	861.7	296.1	209.0	307.3	55- 60	2559	19741	75.2,75.2
65	852.2	378.1	158.5	371.3	847.1	216.7	137.0	233.0	60- 65	2308	22050	84,84
70	858.9	149.0	72.55	134.8	940.1	130.8	65.09	150.0	65- 70	1865	23914	91.1,91.1
75	882.4	70.11	51.76	64.37	673.5	55.68	39.32	64.37	70- 75	1397	25311	96.4,96.4
80	322.2	41.82	30.96	38.83	95.61	26.67	13.55	30.96	75- 80	743.6	26055	99.2,99.2
85	21.76	11.96	0	11.25	9.949	5.557	0	6.469	80- 85	179.2	26234	99.9,99.9
90	10.27	0	0	0	9.026	0	0	0	85- 90	20.22	26254	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

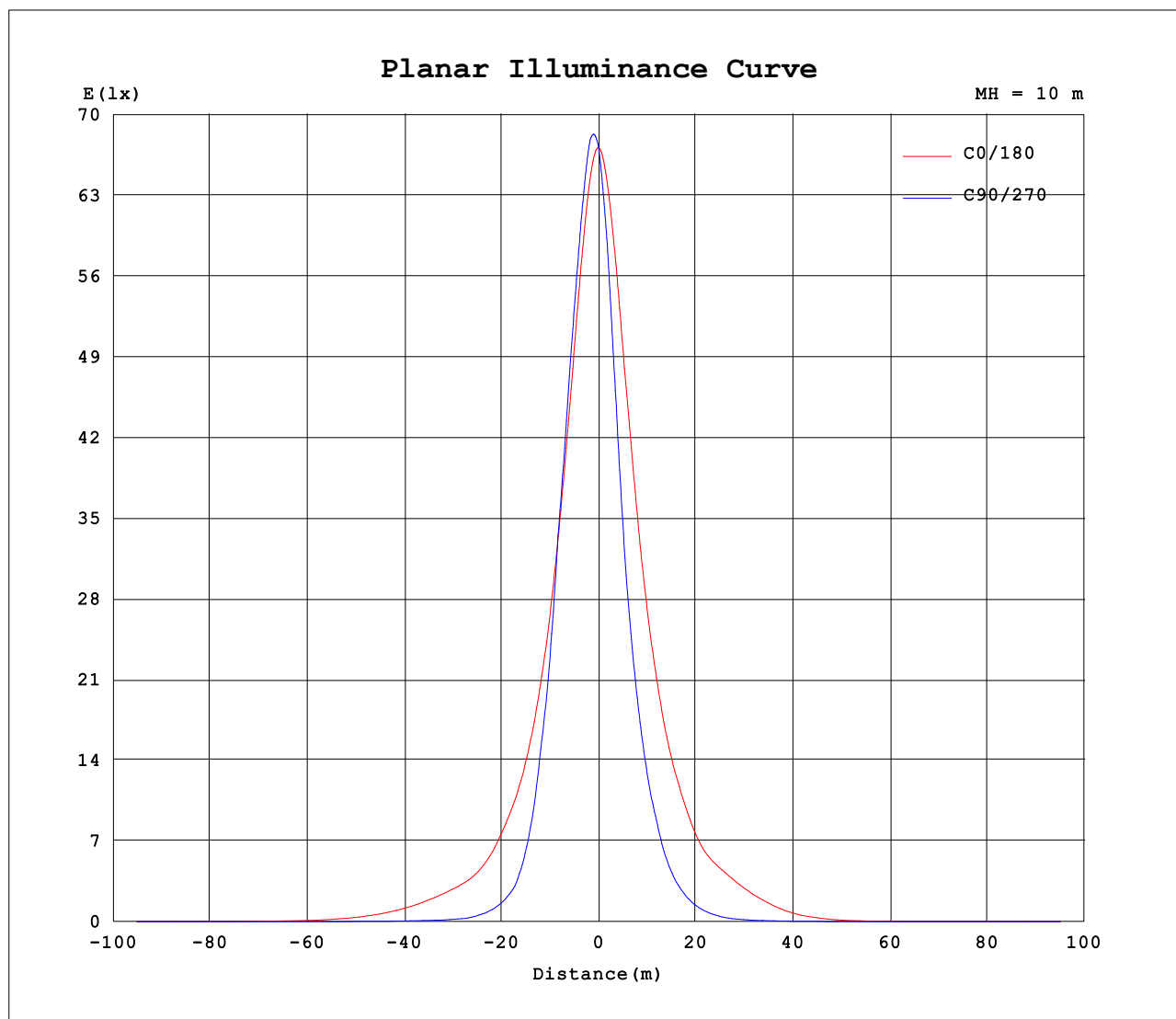
Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



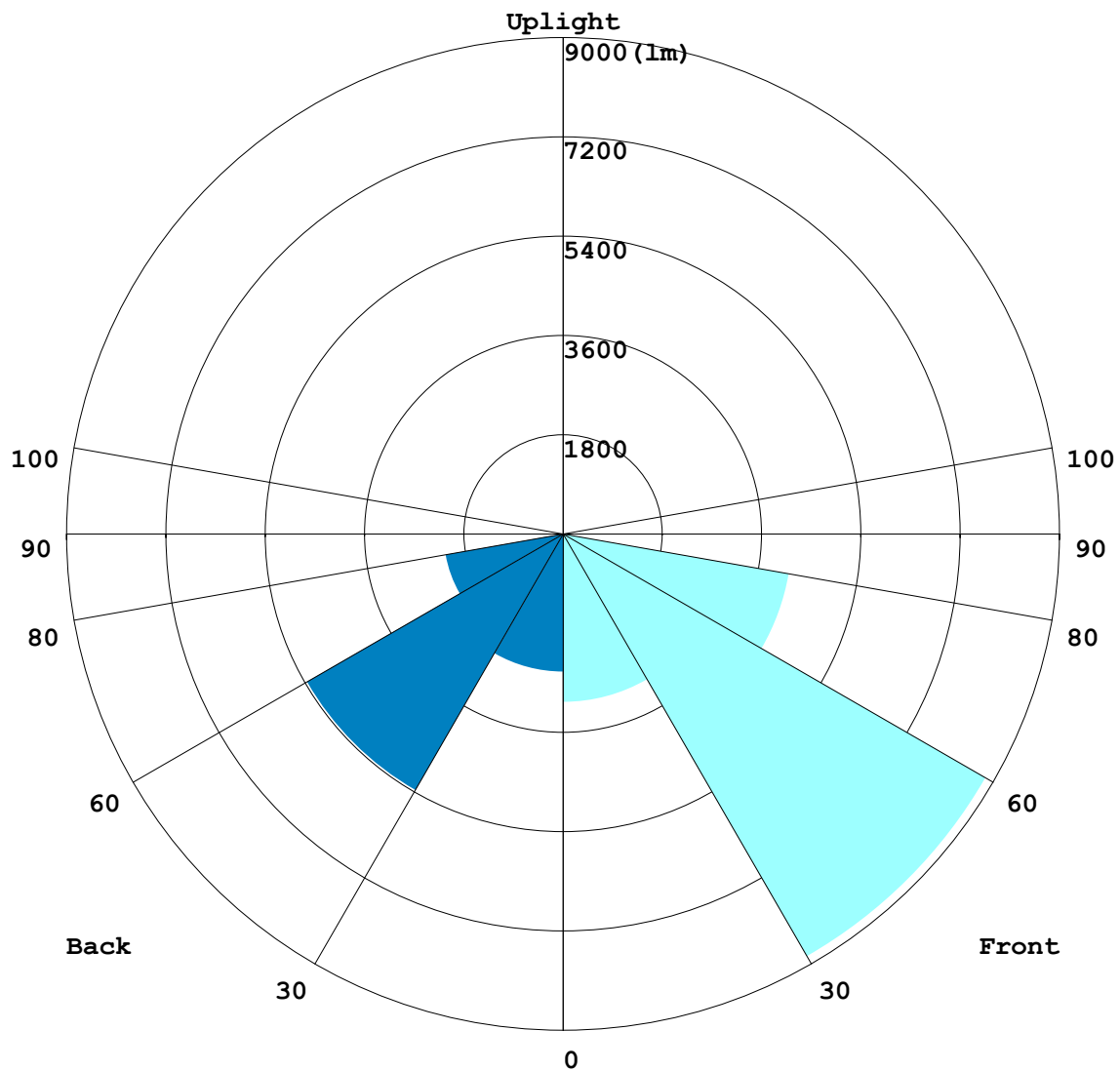
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3047.3	11.6
FM - Front-Medium(30-60)	8841	33.7
FH - Front-High(60-80)	4152	15.8
FVH - Front-Very High(80-90)	146.53	0.6
Total Forward Light	16187	61.7

BL - Back-Low(0-30)	2495.3	9.5
BM - Back-Medium(30-60)	5357.6	20.4
BH - Back-High(60-80)	2161.3	8.2
BVH - Back-Very High(80-90)	52.845	0.2
Total Back Light	10067	38.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10067	0	10067
Street Side	16187	0	16187

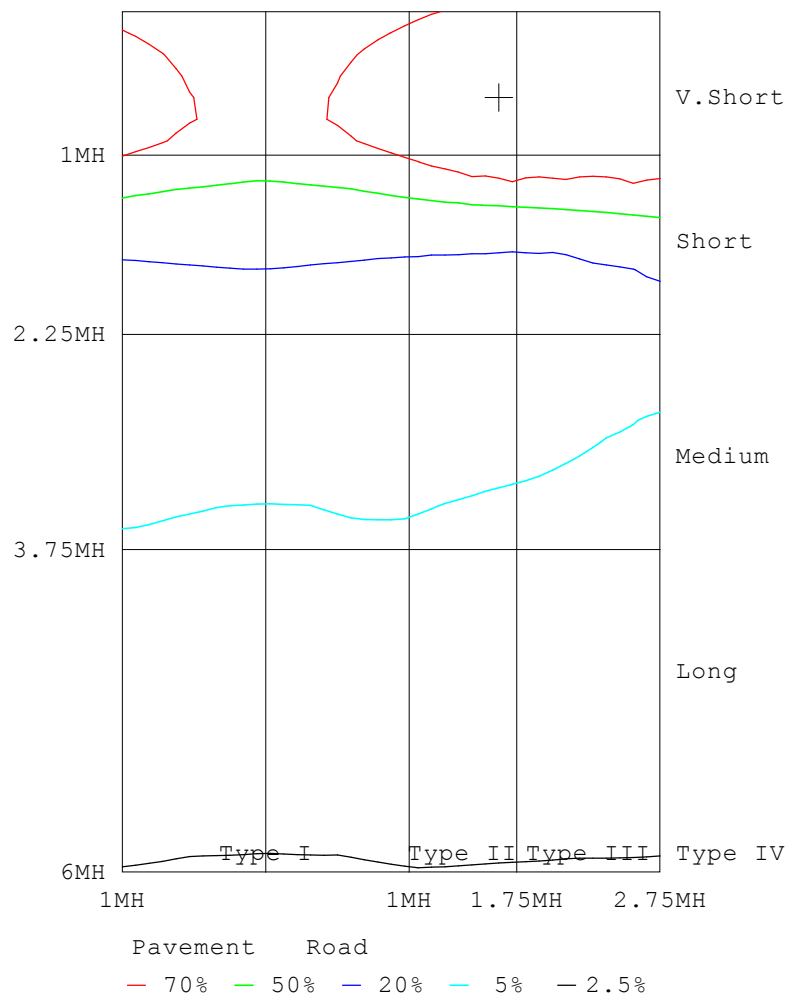
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.8408A P:181.7W PF:0.9788 Lamp Flux:26253.9x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```